

**Report Date:** 14 Apr 2014

**Summary Report for Individual Task  
551-88K-4729  
Operate GMDSS System  
Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** Assigned as a Watch Officer, given a completed risk assessment, a vessel in port or at sea, all applicable publications, forms, records, tools, materials, personnel, and equipment in all weather conditions day or night and all MOPP levels in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

**Standard:** Operate GMDSS equipment with out loss of life or damage to equipment.

**Special Condition:** None

**Safety Level:** Low

**MOPP:** Sometimes

<b>Task Statements</b>
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**Cue:** None

<div><b>DANGER</b></div> <div>None</div>
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<div><b>WARNING</b></div> <div>None</div>
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<div><b>CAUTION</b></div> <div>None</div>
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**Remarks:** None

**Notes:** None

## Performance Steps

### 1. Operate Search and Rescue Transponder (SART)

a. Remove the SART from the bracket.

b. Activate SART

(1) Rotate the blue activation switch ring to the left, placing the SART in test mode

(2) Remove the red Pull Tab by pulling it down and completely out of the SART

(3) Release the activation switch and guide it to the right until it is in the ON position

Note:

The SART will beep once and flash every four seconds.

The flashing red light indicates the SART is ON.

c. Deploy the telescopic pole to its maximum length of 3 feet(1 meter)by turning the bottom cap of the SART

d. Secure it to the life raft

### 2. Operate Survival Craft Transceiver (SCT)

Note:

There are 4 preset volume settings from which to choose

Keep transmissions to a minimum to conserve battery power.

Periodically verify that the CHAN 16 button is lit (red) to guard against accidental selection of channel 6.

a. Remove control panel protective cover

b. Strap the unit around operator's wrist, hand or glove

c. Press ON/OFF button for one (1) second to turn ON the Survival Radio.

Note: ON/OFF button is designed with a short delay to prevent accidental turn-on

CHAN 16 button stays lit (red); Also True if CHAN 6 was selected instead

d. Listen for the tone and for the squelch action 3 seconds after activating the unit

e. Press blinking PUSH TO TALK button to transmit

f. Speak loudly and clearly into speaker area from a distance of approximately 3"to 6" (7.5 cm to 15 cm)

g. Release PUSH TO TALK button to listen

h. Adjust Volume by pressing the respective buttons

i. Press ON/OFF button to turn unit off when not in use

### 3. Operate the Emergency Position Indicating Radio Beacon (EPIRB)

Note: When activating and deploying your beacon in an emergency, DO NOT:

- \* Hold or clutch the beacon or antenna
- \* Operate the beacon while hand held, if at all possible
- \* Turn the beacon off for any reason, including to save power
- \* Activate the beacon if you have any other means of self rescue
- \* Operate the beacon inside a life raft or under any other canopy or cover
- \* Tether the beacon to the bracket or vessel

When activating and deploying your beacon in an emergency, DO:

- \* Follow the steps to activate the beacon as described on the beacon or in this manual
- \* Give clear view to the sky for best GPS performance
- \* Take the EPIRB with you if abandoning ship, provided there is time to get it
- \* Tether beacon, using the lanyard, to the life raft and let the beacon float (if in a life raft)
- \* Keep EPIRB upright for best signal transmission, either by floating it, resting it or holding it in this position
- \* Manually activate the beacon if it has not been automatically activated

- a. Remove the beacon from its bracket
- b. Push the main switch up 90 degrees, slide toward antenna and all the way down to activate
- c. Secure to Life Raft or to your body to prevent it from floating away

#### 4. Operate Navigational Telex (NAVTEX)

- a. Turn the NAVTEX receiver on at least four hours before getting underway
- b. Perform Self-Check on receiver
- c. Choose receiving frequency
- d. Set Which station(s) do you want to receive
- e. Set Which message types do you want to receive
- f. Set times for your chosen stations to transmit your chosen message types

#### 5. Operate Digital Selective Calling radio

Note: Procedures for DSC may vary from model to model. Reference the manual specific to your VHF radio.

- a. Select who will receive message
  - (1) All Ships
  - (2) Vessel Specific Maritime Mobile Service Identity (MMSI)
- b. Select type of message you wish to communicate
  - (1) Routine Message
  - (2) Distress Message
- c. Transmit Message

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

**Evaluation Preparation:** Test this task in conjunction with Basic Navigation assessment. Ensure Soldier understands why this task is important to the overall safe navigation of the vessel.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Operated Search and Rescue Transponder (SART)			
2. Operated Survival Craft Transceiver (SCT)			
3. Operated the Emergency Position Indicating Radio Beacon (EPIRB)			
4. Operated Navigational Telex (NAVTEX)			
5. Operated Digital Selective Calling radio			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	8-92-801-15055	SOLAS (Safety of Life at Sea) Consolidated Edition 2009	Yes	Yes
	SB 11-636	WATERCRAFT US ARMY MARINE COMMUNICATIONS ELECTRONICS	No	Yes
	TC 4-15.51	MARINE CREWMAN'S HANDBOOK	No	Yes
	TM 11-5895-1847-12&P	OPERATORS MANUAL CREW MAINTENANCE FOR THE LCU 2000 GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS) LSV (NSN 1915-01-153-8801) LCU 2000 (1905-01-154-1191) TUG 128 SERIES (1925-01-247-7110) I	Yes	Yes

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-1508	Conduct Vessel Operations	55 - Transportation (Collective)	Approved
55-2-1506	React to Shipboard Emergency Aboard an Army vessel	55 - Transportation (Collective)	Approved
55-2-1503	Prepare Vessel for Sea	55 - Transportation (Collective)	Approved

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ